

Target 6C

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- 1) Find the value of two numbers if their sum is 26 and their difference is 2.

- 2) The school that Shawna goes to is selling tickets to a spring musical. On the first day of ticket sales the school sold 5 adult tickets and 11 student tickets for a total of \$162. The school took in \$150 on the second day by selling 3 adult tickets and 11 student tickets. Find the price of an adult ticket and the price of a student ticket.

- 3) The sum of two numbers is 17. Their difference is 3. What are the numbers?

- 4) Flying to Madrid with a tailwind a plane averaged 400 km/h. On the return trip the plane only averaged 340 km/h while flying back into the same wind. Find the speed of the wind and the speed of the plane in still air.

- 5) Amy and Julia are selling wrapping paper for a school fundraiser. Customers can buy rolls of plain wrapping paper and rolls of holiday wrapping paper. Amy sold 9 rolls of plain wrapping paper and 6 rolls of holiday wrapping paper for a total of \$162. Julia sold 2 rolls of plain wrapping paper and 12 rolls of holiday wrapping paper for a total of \$196. What is the cost each of one roll of plain wrapping paper and one roll of holiday wrapping paper?

- 6) Find the value of two numbers if their sum is 15 and their difference is 1.

- 7) Ndiba and Micaela each improved their yards by planting grass sod and ornamental grass. They bought their supplies from the same store. Ndiba spent \$92 on 12 ft² of grass sod and 8 bunches of ornamental grass. Micaela spent \$83 on 9 ft² of grass sod and 8 bunches of ornamental grass. What is the cost of one ft² of grass sod and the cost of one bunch of ornamental grass?

- 8) Flying with the wind a plane went 168 km/h. Flying into the same wind the plane only went 126 km/h. Find the speed of the plane in still air and the speed of the wind.

- 9) Bill and Perry are selling flower bulbs for a school fundraiser. Customers can buy bags of windflower bulbs and bags of daffodil bulbs. Bill sold 7 bags of windflower bulbs and 8 bags of daffodil bulbs for a total of \$181. Perry sold 2 bags of windflower bulbs and 3 bags of daffodil bulbs for a total of \$61. Find the cost each of one bag of windflower bulbs and one bag of daffodil bulbs.

- 10) Kristin and Huong each improved their yards by planting grass sod and geraniums. They bought their supplies from the same store. Kristin spent \$62 on 11 ft² of grass sod and 6 geraniums. Huong spent \$50 on 8 ft² of grass sod and 6 geraniums. Find the cost of one ft² of grass sod and the cost of one geranium.

Answers to Target 6C

- 1) 12 and 14
- 2) adult ticket: \$6, student ticket: \$12
- 3) 7 and 10
- 4) Plane: 370 km/h, Wind: 30 km/h
- 5) roll of plain wrapping paper: \$8, roll of holiday wrapping paper: \$15
- 6) 7 and 8
- 7) ft² of grass sod: \$3, bunch of ornamental grass: \$7
- 8) Plane: 147 km/h, Wind: 21 km/h
- 9) bag of windflower bulbs: \$11, bag of daffodil bulbs: \$13
- 10) ft² of grass sod: \$4, geranium: \$3